INSTRUMENT PROCESSING SHEET

Florida Department of Law Enforcement

Agency Cocoa PD S/N 80-001000

Date In 10/8/2021 DI Completion Date 10/13/2021 ■Ship ❑P/U ❑H/D ❑CMI ❑EE

Intake By RAW

■ Annual
❑ Registration
❑ Return from CMI / EE

Visual Inspection:
■ Case ■ Handle
■ Keyboard ■ Dry Gas Shelf
■ Feet ■ Breath Tube
■ Ports ■ Screws Tight

Other Equipment/ Accessories:
■ Power cord ❑ Printer Cable
■ Static Bag ❑ 12V DC Cable

Notes:

Quality Checks By RAW Date 10/13/2021

■ Breath Tube Screen
■ Replace External O-Rings
■ Instrument Set Up Verified
■ R-Value 189
■ Flow Verification (L/s)
Flow Column # ATP105
32 mm .148 (.139 - .169)
36 mm .171 (.156 - .190)
53 mm .238 (.228 - .278)
103 mm .523 (.447 - .547)
■ Barometric Pressure Check
Gauge ID # 26932
■ Stability Checks

Simulator	Serial #	Lot #/Exp
0.050	MP5088	202010A
		10-05-22
0.080	MP5089	202010B
		10-05-22
0.200	MP5090	202010D
		10-06-22
0.080 DGS	N/A	AG113403
		05-14-23

Flow Calibration By____ Date____

Flow Column # ____
❑ 5L/min – 17mm
❑ 15L/min – 53mm
❑ 30L/min – 103mm
❑ R-Value ____
❑ Post Calibration Verification (L/s)
Flow Column # ____
32 mm ____ (.139 - .169)
36 mm ____ (.156 - .190)
53 mm ____ (.228 - .278)
103 mm ____ (.447 - .547)

Maintenance By ____

❑ Battery Replacement
❑ Dry Gas Regulator Replacement
❑ Breath Tube Replacement
❑ Other ____

DI Temp. Checks By RAW

■ Lab Temp °C 21.50
External Digital Therm. ID#: 381189
■ 34°C +-.2 Serial #: MP5088
■ 34°C +-.2 Serial #: MP5089
■ 34°C +-.2 Serial #: MP5090

Calibration Adjustment By RAW

Barometric Pressure Gauge 1012 ID # 28427

Simulator	Serial #	Lot #	Expiration
0.000	MP5091	N/A	N/A
0.040	MP5082	21070	3/1/23
0.100	MP5083	21080	3/8/23
0.200	MP5084	20510	12/03/22
0.300	MP5085	21030	2/2/23
0.080 DGS	N/A	08121080A1	5/5/23

■ Post Calibration Adjustment Stability Checks

Simulator	Serial #	Lot #	Expiration
0.050	MP5088	MP5088	10/5/22
0.080	MP5089	MP5089	10/5/22
0.200	MP5090	MP5090	10/6/22
0.080 DGS	N/A	AG113403	5/14/23

Department Inspection By RAW

Barometric Pressure ID# 26932
Gauge 1012 Instrument 1012
Mouth Alcohol Solution Lot # 2021-B
Acetone Stock Solution Lot # 2021-C

Simulator	Serial Number
0.000	MP5086
Interferent	MP5087
0.050	MP5088
0.080	MP5089
0.200	MP5090

Attachments

■ Form 41
■ Stability Checks
■ Calibration Certificate
■ Calibration Adjustment
■ Post-Stability Checks
❑ Flow Calibration
❑ Form 40
❑ Other ____

Notes/Suggested Service: Repeated DGS and .20g/210L stability after low values retightened simulators and hoses. During Cal adjust and post cal stability tests, DGS was re-ran after not initially connecting hose.-RAW 10/13/21

■ **Instrument Complies with Chapter 11D-8, FAC**
❑ **Instrument Does Not Comply with Chapter 11D-8, FAC**
■ **Return to/Place into Evidentiary Use**
❑ **Remain Out of Evidentiary Use**
■ **Conduct an Agency Inspection Before Evidentiary Use**

Israel Soto Digitally signed by Israel Soto Date: 2021.10.14 17:37:59 -04'00'
Tech Review / Date

2021.10.19 09:10:53 -04'00'
Admin Review / Date

Florida Department of Law Enforcement
Alcohol Testing Program

DEPARTMENT INSPECTION REPORT - INTOXILYZER 8000

Agency: COCOA PD
Serial Number: 80-001000
Time of Inspection: 17:46
Date of Inspection: 10/13/2021
Software: 8100.27

Check or Test	YES	NO	Check or Test	YES	NO
Diagnostic Check (Pre-Inspection): OK	Yes		Date and/or Time Adjusted		No
Minimum Sample Volume Check: OK	Yes		Barometric Pressure Sensor Check: OK	Yes	
Alcohol Free Subject Test: 0.000	Yes		Mouth Alcohol Test: Slope Not Met	Yes	
Interferent Detect Test: Interferent Detect	Yes		Diagnostic Check (Post-Inspection): OK	Yes	

Alcohol Free Test (g/210L)	0.05g/210L Test (g/210L) Lot#:202010A Exp: 10/05/2022	0.08g/210L Test (g/210L) Lot#:202010B Exp: 10/05/2022	0.20g/210L Test (g/210L) Lot#:202010D Exp: 10/06/2022	0.08 g/210L Dry Gas Std Test (g/210L) Lot#:AG113403 Exp: 05/14/2023
0.000	0.050	0.080	0.199	0.080
0.000	0.050	0.080	0.199	0.079
0.000	0.050	0.080	0.199	0.079
0.000	0.050	0.080	0.200	0.078
0.000	0.050	0.080	0.200	0.078
0.000	0.050	0.080	0.200	0.078
0.000	0.050	0.080	0.200	0.078
0.000	0.050	0.080	0.199	0.078
0.000	0.050	0.080	0.199	0.078
0.000	0.050	0.080	0.199	0.078

Standard Deviations	0.0000	0.0000	0.0005	0.0006

Average Standard Deviation of 0.05, 0.08 and 0.20 g/210L Tests: 0.0002 **Number of Simulators Used:** 5

Remarks:

The above instrument complies (X) does not comply ( ) with Chapter 11D-8, FAC.

I certify that I performed this inspection in accordance with the provisions of Chapter 11D-8, FAC.

RICHARD A WILLIAMS
Signature and Printed Name

10/13/2021
Date

FDLE/ATP Form 41 –Revised August 2005

COCOA PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001000
10/13/2021
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:26
Control Test	0.048	11:26
Air Blank	0.000	11:27
Control Test	0.047	11:28
Air Blank	0.000	11:28
Control Test	0.048	11:29
Air Blank	0.000	11:29

Control Test Stats

Average	0.0477
Std Dev	0.0006
Rel Std Dev(%)	1.2112

.05

RAW

Operator's Signature

COCOA PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001000
10/13/2021
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:34
Control Test	0.078	11:34
Air Blank	0.000	11:35
Control Test	0.078	11:36
Air Blank	0.000	11:36
Control Test	0.078	11:37
Air Blank	0.000	11:37

Control Test Stats

Average	0.0780
Std Dev	0.0000
Rel Std Dev(%)	0.0000

.08
wet

RAW

Operator's Signature

COCOA PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001000
10/13/2021
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	11:39
Control Test	0.173	11:40
Air Blank	0.000	11:41
Control Test	0.175	11:41
Air Blank	0.000	11:42
Control Test	0.177	11:43
Air Blank	0.000	11:43

Control Test Stats

Average	0.1750
Std Dev	0.0020
Rel Std Dev(%)	1.1429

.20
#1

RAW

Operator's Signature

COCOA PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001000
10/13/2021
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:23
Control Test	0.077	12:23
Air Blank	0.000	12:24
Control Test	0.077	12:24
Air Blank	0.000	12:25
Control Test	0.076	12:25
Air Blank	0.000	12:25

Control Test Stats

Average	0.0767
Std Dev	0.0006
Rel Std Dev(%)	0 7531

.08
DGS
#2

RAW

Operator's Signature

COCOA PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001000
10/13/2021
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:19
Control Test	0.078	12:19
Air Blank	0.000	12:19
Control Test	0.077	12:20
Air Blank	0.000	12:20
Control Test	0.076	12:21
Air Blank	0.000	12:21

Control Test Stats

Average	0.0770
Std Dev	0.0010
Rel Std Dev(%)	1.2987

.08
#1

RAW

Operator's Signature

COCOA PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001000
10/13/2021
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:12
Control Test	0.198	12:13
Air Blank	0.000	12:14
Control Test	0.197	12:14
Air Blank	0.000	12:15
Control Test	0.196	12:16
Air Blank	0.000	12:16

Control Test Stats

Average	0.1970
Std Dev	0.0010
Rel Std Dev(%)	0.5076

.20
#2

RAW

Operator's Signature

Pre-Cal Stability Check #1
80-001000
RAW 10/13/21

COCOA PC
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001000
10/13/2021
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	12:27
Control Test	0.077	12:27
Air Blank	0.000	12:28
Control Test	0.078	12:28
Air Blank	0.000	12:29
Control Test	0.078	12:29
Air Blank	0.000	12:29

Control Test Stats

Average	0.0777
Std Dev	0.0006
Rel Std Dev(%)	0.7434

.08 #3
DGS
RAW

Operator's Signature

Pre-Cal Stability check #2
80-001000
RAW 10/13/21

COCOA PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001000
10/13/2021 14:19:41

Auto Calibration
Max Power Res Value = 36
Auto Range Res Value = 25

Sol Value = 0.000 g/210L ***
Fit value = 0.0000 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12590, 9um Io = 13409

<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1470	(-0.0120)
Sample #2 =	0.0920	(0.0210)
Sample #3 =	0.1270	(0.0310)
Sample #4 =	0.0930	(0.0650)
Avg % Abs =	0.1040	(0.0390)
STD DEV =	0.0199	(0.0231)
REL STD DEV =	19.159	(59.141)

<<<<< CHANNEL 2 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.1200	(-0.0120)
Sample #2 =	0.1110	(0.0000)
Sample #3 =	0.1060	(0.0070)
Sample #4 =	0.0910	(0.0200)
Avg % Abs =	0.1027	(0.0090)
STD DEV =	0.0104	(0.0101)
REL STD DEV =	10.13°	(112.765)

Sol Value = 0.040 g/210L ***
Fit value = 0.1905 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12584, 9um Io = 13406

<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	0.8620	(-0.0120)
Sample #2 =	0.8290	(0.0370)
Sample #3 =	0.8150	(0.0400)
Sample #4 =	0.8540	(0.0200)
Avg % Abs =	0.8327	(0.0323)
STD DEV =	0.0198	(0.0108)
REL STD DEV =	2.373	(33.358)

<<<<< CHANNEL 2 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.5660	(-0.0220)
Sample #2 =	1.5660	(0.0040)
Sample #3 =	1.5290	(0.0090)
Sample #4 =	1.5500	(0.0160)
Avg % Abs =	1.5483	(0.0097)
STD DEV =	0.0186	(0.0060)
REL STD DEV =	1.198	(62.356)

Sol Value = 0.100 g/210L ***
Fit value = 0.4762 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12584, 9um Io = 13405

<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	1.9110	(-0.0100)
Sample #2 =	1.9250	(0.0180)
Sample #3 =	1.9010	(0.0300)
Sample #4 =	1.9110	(0.0350)
Avg % Abs =	1.9123	(0.0277)
STD DEV =	0.0121	(0.0087)
REL STD DEV =	0.630	(31.579)

<<<<< CHANNEL 2 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.6520	(0.0050)
Sample #2 =	3.6240	(0.0310)
Sample #3 =	3.6120	(0.0350)
Sample #4 =	3.6400	(0.0300)
Avg % Abs =	3.6253	(0.0320)
STD DEV =	0.0140	(0.0026)
REL STD DEV =	0.387	(8.268)

Sol Value = 0.200 g/210L ***
Fit value = 0.9524 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12580, 9um Io = 13402

<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	3.7070	(-0.0110)
Sample #2 =	3.6750	(-0.0010)
Sample #3 =	3.6830	(0.0290)
Sample #4 =	3.6930	(0.0030)
Avg % Abs =	3.6837	(0.0103)
STD DEV =	0.0090	(0.0163)
REL STD DEV =	0.245	(157.636)

<<<<< CHANNEL 2 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	7.0120	(-0.0210)
Sample #2 =	6.9590	(0.0340)
Sample #3 =	6.9480	(0.0580)
Sample #4 =	6.9670	(0.0360)
Avg % Abs =	6.9580	(0.0427)
STD DEV =	0.0095	(0.0133)
REL STD DEV =	0.137	(31.211)

Optical Bench Cal pg.1
80-001000
10/13/21
RAW

Sol Value = 0.300 g/210L ***
Fit value = 1.4286 mg/l %%%%
Samples Taken = 4, Discarded = 1
3um Io = 12582, 9um Io = 13402

<<<<< CHANNEL 1 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	5.4260	(-0.0250)
Sample #2 =	5.3790	(0.0410)
Sample #3 =	5.3860	(0.0660)
Sample #4 =	5.3590	(0.0850)
Avg % Abs =	5.3747	(0.0640)
STD DEV =	0.0140	(0.0221)
REL STD DEV =	0.261	(34.481)

<<<<< CHANNEL 2 >>>>>

Sample	% Abs	(% Abs Ref)
Sample #1 =	10.1590	(-0.0050)
Sample #2 =	10.0980	(0.0590)
Sample #3 =	10.0820	(0.0800)
Sample #4 =	10.0580	(0.1040)
Avg % Abs =	10.0793	(0.0810)
STD DEV =	0.0201	(0.0225)
REL STD DEV =	0.200	(27.798)

***** AUTO CAL DATA *****

<<<<< CHANNEL 1 >>>>>

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.104
Std Dev = 0.02 Rel Std Dev = 19.16
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 0.833
Std Dev = 0.02 Rel Std Dev = 2.37
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 1.912
Std Dev = 0.01 Rel Std Dev = 0.63
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 3.684
Std Dev = 0.01 Rel Std Dev = 0.24
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 5.375
Std Dev = 0.01 Rel Std Dev = 0.26
Zero Order Coef = -256.93
First Order Coef = 2566.50
Second Order Coef = 25.64
Standard Deviation = 15.494110

<<<<< CHANNEL 2 >>>>>

Sol Val = 0.0000 mg/l or 0.000 g/210L
% Abs = 0.103
Std Dev = 0.01 Rel Std Dev = 10.14
Sol Val = 0.1905 mg/l or 0.040 g/210L
% Abs = 1.548
Std Dev = 0.02 Rel Std Dev = 1.20
Sol Val = 0.4762 mg/l or 0.100 g/210L
% Abs = 3.625
Std Dev = 0.01 Rel Std Dev = 0.39
Sol Val = 0.9524 mg/l or 0.200 g/210L
% Abs = 6.958
Std Dev = 0.01 Rel Std Dev = 0.14
Sol Val = 1.4286 mg/l or 0.300 g/210L
% Abs = 10.079
Std Dev = 0.02 Rel Std Dev = 0.20
Zero Order Coef = -132.62
First Order Coef = 1299.10
Second Order Coef = 12.99
Standard Deviation = [illegible]79268

Solution Stats Quadratic Fit Chan 1

Act g/21OL	Fit g/21OL	Residual g/21OL
0.000	0.000	-0.0002
0.040	0.040	0.0001
0.100	0.100	0.0004
0.200	0.200	-0.0004
0.300	0.300	0.0002

Solution Stats Quadratic Fit Chan 2

Act g/21OL	Fit g/21OL	Residual g/21OL
0.000	0.000	-0.0000
0.040	0.040	-0.0001
0.100	0.100	0.0003
0.200	0.200	-0.0002
0.300	0.300	0.0001

Sol Value [illegible] ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = -301.00
Sample #2 = -146.00
Sample #3 = -279.00
Sample #4 = -317.00
Average Result = -247.3333
STD DEV = 89.7905
REL STD DEV = 36.303
****
***** CHANNEL 2
Sample #1 = -134.00
Sample #2 = -92.00
Sample #3 = -152.00
Sample #4 = -121.00
Average Result = -121.6667
STD DEV = 30.0056
REL STD DEV = 24.662
****

Sol Value ***
Fit value = 0.3810 mg/l %%%%
Samples Taken = 4, Discarded = 1
***** CHANNEL 1
Sample #1 = 3101.00
Sample #2 = 3133.00
Sample #3 = 3008.00
Sample #4 = 3067.00
Average Result = 3069.3333
STD DEV = 62.5327
REL STD DEV = 2.037
****
***** CHANNEL 2
Sample #1 = 3242.00
Sample #2 = 3259.00
Sample #3 = 3234.00
Sample #4 = 3246.00
Average Result = 3246.3333
STD DEV = 12.5033
REL STD DEV = 0.385
****
Dry Gas H2O Adjust Results **********
Barometric Pressure = 1012
3 um H2O Adjust (mg/l*10,000) = 740
9 um H2O Adjust (mg/l*10,000) = 563
**** AUTO CAL PASS

Optical Bench Cal pg-2
80-001000
10/13/21
RAW

COCOA P
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001000
10/13/2021
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	15:27
Control Test	0.050	15:28
Air Blank	0.000	15:28
Control Test	0.050	15:29
Air Blank	0.000	15:29
Control Test	0.050	15:30
Air Blank	0.000	15:31
Control Test Stats		
Average	0.0500	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

.05

RAW

Operator's Signature

COCOA PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001000
10/13/2021
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	15:35
Control Test	0.079	15:36
Air Blank	0.000	15:37
Control Test	0.079	15:37
Air Blank	0.000	15:38
Control Test	0.079	15:38
Air Blank	0.000	15:39
Control Test Stats		
Average	0.0790	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

.08
wet

RAW

Operator's Signature

COCOA PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001000
10/13/2021
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	15:40
Control Test	0.199	15:41
Air Blank	0.000	15:41
Control Test	0.198	15:42
Air Blank	0.000	15:43
Control Test	0.198	15:43
Air Blank	0.000	15:44
Control Test Stats		
Average	0.1983	
Std Dev	0.0006	
Rel Std Dev(%)	0.2911	

.20

RAW

Operator's Signature

COCOA P
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001000
10/13/2021
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	15:45
Control Test	0.000	15:46
Air Blank	0.000	15:46
Control Test	0.000	15:47
Air Blank	0.000	15:47
Control Test	0.000	15:48
Air Blank	0.000	15:49
Control Test Stats		
Average	0.0000	
Std Dev	0.0000	
Rel Std Dev(%)	0.0000	

DGS #1
.08

RAW

Operator's Signature

COCOA PD
Intoxilyzer - Alcohol Analyzer
Model 8000 SN 80-001000
10/13/2021
Software: 8100.27

Test	g/210L	Time
Air Blank	0.000	15:59
Control Test	0.081	15:59
Air Blank	0.000	16:00
Control Test	0.079	16:00
Air Blank	0.000	16:01
Control Test	0.080	16:01
Air Blank	0.000	16:02
Control Test Stats		
Average	0.0801	
Std Dev	0.0016	
Rel Std Dev(%)	1.2500	

.08 #2
DGS

RAW

Operator's Signature

Post Cal Stability
80-001000
10-13-21

RAW

Calibration Certificate

Florida Department of Law Enforcement
Alcohol Testing Program
2729 Fort Knox Blvd.
Bldg. 2, Suite 1300
Tallahassee, FL 32308

This is to certify the calibration of Intoxilyzer 8000 serial number 80-001000 , manufactured by CMI, Inc. was calibrated in accordance with FDLE/ATP Form 36 - Department Inspection Procedures - Intoxilyzer 8000.

Serial Number:	80-001000
Owning Agency:	COCOA PD
Calibration Date:	10/13/2021
Calibration Time:	17:46

	UNCERTAINTY* ±
0.050 g/ 210 L	0.005
0.080 g/ 210 L	0.004
0.200 g/ 210 L	0.007
0.080 g/ 210 L Dry Gas Control	0.005

All results are reported in g/ 210 L.
Bias is limited by calibration acceptance criteria. All calibration results must be within ± 0.005 or 5%, whichever is greater, of the target alcohol concentration.
*Uncertainty is based on fleet-wide data and is expressed to a 99.73% level of confidence (k=3).
The instrument results before and after any adjustment are found in the associated pre and post stability checks.

TRACEABILITY INFORMATION
This instrument was calibrated using solutions prepared by Alcohol Countermeasure Systems, Inc. (ACS). ACS prepared and certified these CRMs in accordance with ISO 17034 and ISO/ IEC 17025 Standards.

Simulator temperatures are traceable to NIST. Thermometer temperatures are checked with NIST traceable Eutechnics 4400 digital thermometers calibrated by Precision Metrology in accordance with ISO/ IEC 17025 standards.

Dry gas control measurements are traceable to NIST through the uses of CRMs supplied by an accredited CRM supplier. The supplier of dry gas standard controls prepared and certified the CRMs in accordance with ISO Guide 34 and ISO/ IEC 17025 standards.

10/13/2021
Date

Richard A Williams
Digitally signed by Richard A Williams
Date: 2021.10.14 16:38:57 -04'00'

RICHARD A WILLIAMS,
Department Inspector